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Holland, MI 49423 (US). DUCKWORTH, Paul [US/US];  
224 159th Avenue, Holland, MI 49424 (US). HONECK,  
Brian [US/US]; 13034 Blueberry Lane, Holland, MI 49424  
(US).

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(74) Agents: STEPHENSON, James, E. et al.; Harness,  
Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills,  
MI 48303 (US).

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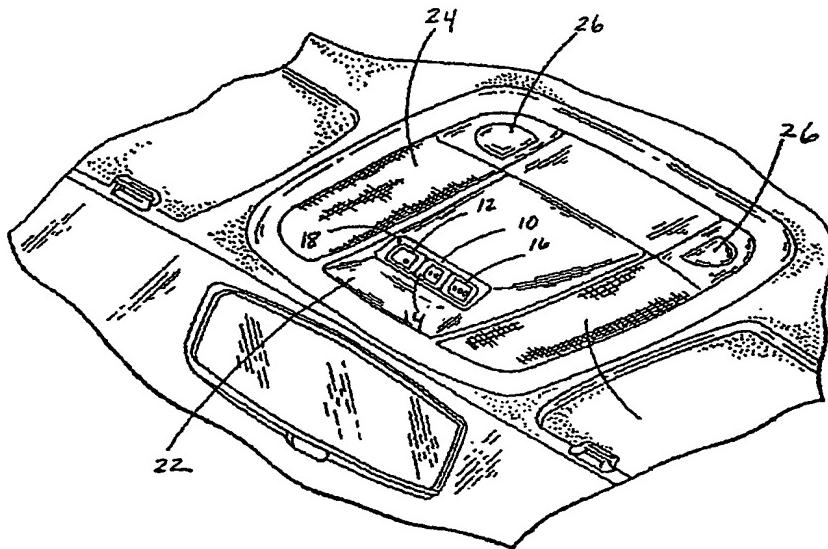
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(71) Applicant (*for all designated States except US*): JOHN-  
SON CONTROLS INTERIORS TECHNOLOGY  
CORP. [US/US]; 49200 Halyard Drive, Plymouth, MI  
48170 (US).

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(72) Inventors; and  
(75) Inventors/Applicants (*for US only*): BLAKER, David  
[US/US]; 240 East 19th Street, Holland, MI 49423 (US).  
CARDWELL, Matthew [US/US]; 5356 144th Avenue,

(54) Title: TRANSCEIVER WITH CLOSED LOOP CONTROL OF ANTENNA TUNING AND POWER LEVEL



(57) Abstract: A trainable transceiver for learning and transmitting an activation signal that includes an RF carrier frequency modulated with a code for remotely actuating a device, such as a garage door opener. The trainable transceiver preferably includes a controller, a signal generator, and a dynamically tunable antenna having a variable impedance that may be selectively controlled in accordance with a detector circuit signal. The detector circuit provides a measurement of the transmission power and is also used to vary the applied transmission power of the transceiver in response to operating and environmental parameters.

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